

10/501561  
DT04 Rec'd PCT/PTO 14 JUL 2004

PATENT  
Attorney Docket No. 3448\*16



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
Suvajit DAS et al. )  
Serial No.: Unassigned (national stage application )  
of International Application No. PCT/US03/01272 ) Group Art Unit: Unassigned  
Filed: July 14, 2004 ) Examiner: Unassigned  
For: COMPUTER-IMPLEMENTED SYSTEM )  
AND METHOD FOR MEASURING AND )  
IMPROVING MANUFACTURING )  
PROCESSES AND MAXIMIZING )  
PRODUCT RESEARCH AND DEVELOP-)  
MENT SPEED AND EFFICIENCY )

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)**

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicants bring to the attention of the Examiner the documents listed on the attached PTO-1449. This Information Disclosure Statement is being filed concurrently with the above-referenced application. Copies of the listed documents are attached. Applicants respectfully request that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached PTO-1449.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or

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constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and Applicants determine that the cited documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents. Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 03-2775.

Respectfully submitted,

CONNOLLY BOVE LODGE & HUTZ LLP

Date: July 14, 2004

By: 

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PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use as many sheets as necessary)				<i>Complete if Known</i>	
Sheet	1	of	2	Application Number	Unassigned <b>107501561</b>
				Filing Date	July 14, 2004
				First Named Inventor	Savajit DAS et al.
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
				Attorney Docket Number	3448*16

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US 2001/0049595	12-06-2001	Plumer et al.	
		US 2002/0065572	05-30-2002	Ina et al.	
		US 2002/0072828	06-13-2002	Turner et al.	
		5,251,268	10-05-1993	Colley et al.	
		5,253,164	10-12-1993	Holloway et al.	
		5,696,696	12-09-1997	Gunther et al.	
		5,846,265	12-08-1998	McGregor et al.	
		5,877,954	03-02-1999	Klimasauskas et al.	
		5,917,726	06-29-1999	Pryor	
		5,946,673	08-31-1999	Francone et al.	
		5,966,683	10-12-1999	Millett et al.	
		6,110,214	08-29-2000	Klimasauskas	
		6,112,126	08-29-2000	Hales et al.	
		6,119,111	09-12-2000	Gross et al.	
		6,144,954	11-07-2000	Li	
		6,168,687	01-02-2001	Hu et al.	
		6,181,975	01-30-2001	Gross et al.	
		6,246,972	06-12-2001	Klimasauskas	
		6,317,700	11-13-2001	Bagne	
		6,434,435	08-13-2002	Tubel et al.	
		6,535,795	03-18-2003	Schroeder et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)			
		EP 1 188 860	03-20-2002	General Electric Company	
		WO 96/11878	04-25-1996	The Regents of the University of California	
		WO 97/31127	08-28-1997	Pharmacopeia, Inc.	
		WO 98/20437	05-14-1998	3-Dimensional Pharmaceuticals, Inc.	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See attached Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	Date Considered
Form PTO 1449	Patent and Trademark Office – U.S. Department of Commerce

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Substitute for form 1449A/PTO				<i>Complete if Known</i>	
				Application Number	Unassigned <b>107501561</b>
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				Group Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	2	of	2	Attorney Docket Number	3448*16

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Examiner Initials <sup>*</sup>	Cite No. <sup>†</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		“Dow/Aspen Tech: Dedicated to VBA”, <i>Partner Programme</i> , AspenTech (1997).
		“Real-Time Optimization of Chemical Processes,” <i>Newsletter/News4/Real Time.html</i> , PAO Enterprise (1998).
		C.W. Hart, “On-Line First Principle Models – State Estimation,” The Fifth Conference on Advances in Process Control, AspenTech Ltd. (Sept. 1998).
		“Modeling Stimulation and Optimization of Chemical Processes,” MIT Summer Session (1999).
		L.T. Biegler et al., <i>Multi-Solver Modeling for Process Simulation and Optimization</i> (July 1999).
		P. Gwynne, “Controlling manufacturing via the Internet”, <i>OE Reports</i> , No. 202 (Oct. 2000).
		Press Release - “Abnormal Situation Management - Control Arts Inc. Performance Assessment Services to be delivered ASP-style by IndustrialEvolution.com”, <i>Control Arts Inc.</i> (Oct. 2000)
		Press Release, “InTERstix launches Remote Optimization Services™ together with Industrial Evolution”, <i>InTERstix (BCG)</i> (Nov. 2000).
		“Aspen Tech Storefront,” <i>Hydrocarbon Online</i> (Dec. 2001).
		“RWDI Industrial Contents. Wind tunnel, Wind Engineering, Computational Fluid Dynamics,” <i>RWDI</i> (Dec. 2001).
		“Web-Powered Manufacturing,” “AnyWhere™ – Central Data Hosting & Web-Based Information Access,” “AnyTime™ – Investigative Reporting & Analysis Companion,” and “AnyLink™ – Secure Database Connectivity,” <i>industrialevolution.com</i> (June 2003).

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>†</sup>Applicant's unique citation designation number (optional). <sup>‡</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
Form PTO 1449		Patent and Trademark Office – U.S. Department of Commerce	